



EPA Region 5 Records Ctr.



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January 7, 2000

**Via Facsimile and Certified Mail
Return Receipt Requested**

Mr. Kevin Adler, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Quarterly Report – January 2000

Dear Mr. Adler:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Peter Felitti, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY OF OHIO, INC.

A handwritten signature in black ink, appearing to read "Gerald R. Myers".

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

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**GRANVILLE SOLVENTS SITE
REMOVAL ACTION QUARTERLY REPORT
FOR OCTOBER, NOVEMBER, AND DECEMBER 1999**

JANUARY 2000

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, December 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated 744 hours in October, 712 hours in November, and 744 hours in December, for a total of 2,200 (99.6% of the total time available) during the fourth quarter of 1999. Since operation of the treatment system began in December 1994, the system has been operating over 98.2% of the available time.

During the fourth quarter of 1999, the treatment system processed approximately 8.7 million gallons of water in October, 8.6 million gallons of water in November and 8.4 million gallons of water in December, for a total of 25.6 million gallons of water for the fourth quarter of 1999. Since operation began in December 1994, the system has processed more than 606 million gallons of water.

In November 1999, M&E acid washed the air-stripping treatment system. The previous acid washing was performed in April 1999 during disassembly and inspection activities. During the fourth quarter of 1999, M&E collected monthly air pressure measurements in the air-stripping unit's inlet and exhaust ducts which is used to calculate airflow values. Following acid washing, airflow increased from 1,700 cfm to 2,026 cfm.

In addition to the activities discussed above, M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors.

Water samples were collected from the system's influent and effluent sampling ports on October 21, November 17 and December 15, 1999. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent October	Effluent October	Influent November	Effluent November	Influent December	Effluent December
1,1,1-trichloroethane	13.2 µg/l	ND	14.8 µg/l	ND	18.3 µg/l	ND
cis-1,2-dichloroethene	2.8 µg/l	ND	2.5 µg/l	ND	3.1 µg/l	ND
Tetrachloroethene	17.0 µg/l	ND	16.0 µg/l	ND	20.3 µg/l	ND
Trichloroethene	16.3 µg/l	ND	16.6 µg/l	ND	20.3 µg/l	ND
1,1-dichloroethane	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 121 gallons per minute (gpm) during the fourth quarter of 1999. The flow rate from GSS-EW2 averaged 75 gpm over the quarter. The total pumping rate has averaged 197 gpm for the fourth quarter of 1999.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 25.6 million gallons of water were processed for the fourth quarter of 1999. Based on these data, total VOCs of approximately 0.14 lb/day in October, 0.17 lb/day in November, and 0.19 lb/day in December were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on October 21, November 17 and December 15, 1999, as specified in the Groundwater Monitoring Plan and will be used to develop potentiometric surface maps.

Source Area Soils

In October 1999, U.S. EPA approved the Engineering Evaluation/Cost Analysis (EE/CA), which was submitted to the U.S. EPA in August 1999. The public comment period for the proposed plan for the soil removal action is expected to commence in January 2000. The U.S. EPA has scheduled a public meeting for January 20, 2000 for them to present the proposed soil removal action.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on October 21, November 17, and December 15, 1999, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on October 20, November 17, and December 15, 1999.
- Continued to collect airflow data on a monthly basis.

II. DELIVERABLES (CURRENT PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	January 7, 2000	January 7, 2000

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>
Quarterly Report	April 7, 2000

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

There were no difficulties encountered during this quarter.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, M&E will perform the following tasks:

- Collect potentiometric surface data on a monthly basis.
- Perform quarterly groundwater sampling.
- Sample treatment system influent and effluent water on a monthly basis.
- Perform scheduled maintenance of the treatment system.
- Acid-wash the air stripper.
- Attend a public meeting on January 20, 2000 for EPA to present the proposed soil removal action.